

EXHIBIT C

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2 Justice entitled "Evaluating the Performance of
3 Merger Simulation: Evidence from the U.S.
4 Airline Industry."

5 BY MR. WALL:

6 Q. You were going to find me the language
7 you were talking about. I will note for the
8 record that in the abstract the second sentence
9 is: "I find that standard simulation methods
10 which measure the effect of the change in
11 ownership on unilateral pricing incentives do not
12 generally provide an accurate forecast."

13 A. Yeah. So I think the most relevant
14 paragraph, and I'll read it, is the paragraph
15 that appears just before the conclusion in which
16 he says: "The unifying theme in this analysis is
17 that the oligopoly model used here and in nearly
18 all other merger simulations does not allow one
19 to distinguish among several plausible hypotheses
20 explaining the observed pattern of post-merger
21 price effects. While this leaves a great deal of
22 uncertainty about precisely what accounts for
23 these effects" -- the effects being what he's
24 estimated -- "the results are nonetheless
25 informative about what does not account for them,

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at least to not a significant degree. In particular, it appears that post-merger entry and exit and demand side effects of changes in flight frequency and airport presence played a relatively minor role in determining the impact of these mergers on prices.

"In short, the result suggests that in order to assess the likely effects of airline mergers on consumer welfare, an important focus should be on our understanding of the role of cost and firm conduct. While merger simulation can be useful to understand the effect of a merger on unilateral pricing incentives" -- and that's the way I've used it -- "such methods are likely to yield unsatisfactory predictions of a merger's overall effect, at least in the context of the airline industry, unless richer models of firm conduct are incorporated into the methodology."

Elsewhere in the other article he discusses why he believes that in the mergers that produced greater price effects than are predicted by the model, it's likely due to coordination between airlines.

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2 MR. DeRITA: Objection to form and
3 assumes facts.

4 THE WITNESS: There was a long prelude
5 there, and the question seemed to change the
6 subject. So let me try to answer the question at
7 the end. And the question at the end is would
8 other carriers on the routes, without taking a
9 stand on who they are because I haven't looked
10 into the details of this particular market and
11 this particular time, my -- typically I assume,
12 and the assumption of economics, is that prices
13 are set to maximize profit. And so I would -- I
14 would typically think that other competitors see
15 these prices and react accordingly.

16 BY MR. WALL:

17 Q. So your conclusion that the NEA
18 functions like a partial or complete acquisition
19 of ownership is based in the first instance on
20 your understanding of the revenue-sharing terms;
21 right?

22 MR. DeRITA: Objection; misstates
23 testimony.

24 THE WITNESS: Two observations. I've
25 tried to model the NEA itself, not simply assume

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2 it's a merger or a transfer of ownership. And
3 that's the way I think of the simulation model.
4 The simulation model and the analysis I presented
5 in Section 4 of my initial report and Section 2
6 of the reply report are based on my understanding
7 of the MGIA which details the revenue-sharing
8 terms within the NEA as well as the
9 superstructure put in place by the NEA that
10 describes and provides a mechanism for how
11 American and JetBlue can coordinate their
12 decisions on capacity and other related things.

13 BY MR. WALL:

14 Q. Okay. Before I get back to that, you
15 mentioned before that, and kind of alluded to in
16 this answer, that there is a difference in your
17 simulation between a generic merger simulation.
18 What is the difference?

19 A. The difference is that my model
20 incorporates the terms of the NEA, and I will
21 give you examples.

22 Example 1 is that a merger simulation
23 would assume that when, for example, JetBlue
24 determines its prices on one of its nonstop
25 routes that it fully internalizes the effect of

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2 competition, the effect of those prices on a
3 competing American connect route. Whereas an
4 analysis of the NEA terms would indicate that it
5 should only partially internalize the effect of
6 its pricing on an American connect route in which
7 it's in competition because only part of the
8 revenue on the connect route is subject to the
9 revenue sharing in the NEA.

10 So that's one way the model differs
11 from a merger agreement.

12 Q. Anything else?

13 A. A second reason it differs is that the
14 simulations that I've done that inform my
15 baseline results on the unilateral effects of the
16 NEA are confined to routes that touch the NEA,
17 have an endpoint or begin at an NEA airport or
18 are otherwise affected -- and these are the other
19 affected markets served by the revenue-sharing
20 terms. But there are other routes that are not
21 affected by the NEA because they're outside the
22 scope of the NEA, and I do not forecast in my
23 baseline results harm along those routes.

24 There may be other smaller differences
25 that I list in the report, but those are the ones

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2 that are most meaningful, I believe.

3 Q. In the case of nonstop overlap routes
4 that touch the NEA airports, how, if at all, does
5 your simulation differ from a generic merger
6 simulation?

7 A. Those routes also can feature connect
8 traffic from American or JetBlue, or possibly
9 both. And in those settings, the effects of the
10 competing nonstop, the prices that are put on the
11 competing nonstop route -- or on the connect
12 route are only partially internalized, which is
13 consistent with the terms of the NEA.

14 Q. Okay. So if I understand it, what
15 you're saying is, say for example, San Francisco
16 to New York, that some amount of the passengers
17 are going to go New York, Chicago, to San
18 Francisco. In a generic merger simulation, that
19 would be fully internalized. But in this
20 simulation, that particular feature of the
21 connect traffic that competes with the nonstop
22 traffic is subject to partial internalization?

23 A. That's correct.

24 Q. Okay. Anything else besides that?

25 A. As I said, aside from the, you know,

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2 trying to constrain it only to NEA markets, I
3 think those are the big two that came to mind.
4 But I'll refer you to the report because there
5 might be nuances that come up, you know, looking
6 at different markets.

7 Q. Okay. So focusing back on the
8 importance of revenue sharing, is it appropriate
9 to analyze the effects of the NEA on routes in
10 which the parties do not share revenues as a
11 merger? Let me say that again. I kind of
12 botched it.

13 Is it appropriate to predict the
14 competitor effects of the NEA on nonstop overlap
15 routes on which the parties do not share revenue?

16 MR. DeRITA: Objection to form.

17 THE WITNESS: It can be appropriate.
18 And I believe that I've done so in my report in
19 the sense that I've tried to get a sense for how
20 outcomes might change in other markets if the
21 competitive effects of the NEA extend beyond what
22 is explicitly covered in the NEA agreement.

23 BY MR. WALL:

24 Q. I'm sorry. I'm not talking about --
25 my question was limited to the nonstop overlap

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2 extent that JetBlue and American would act on the
3 unilateral incentives to expand capacity that are
4 as claimed by the defendants' economists in the
5 course of the investigation, that the effect of
6 that would be to reduce the joint profitability
7 of American and JetBlue because those actions
8 would exploit the other partner. And so that's
9 the sense in which I analyzed it.

10 Q. So do I understand that you are
11 comparing that outcome that they act on their
12 unilateral incentives to expand capacity to a
13 benchmark of joint profit maximization?

14 A. I would not characterize it precisely
15 that way. I've assumed something close to joint
16 profit maximization in the pricing stage, but
17 it's not exact because it's respecting the
18 specific terms of the MGIA and how revenues are
19 shared.

20 And then in the capacity stage, I hold
21 the capacity schedule fixed as it appears in
22 2019, and I don't model changes in capacity that
23 might be conducted by American or JetBlue, but I
24 do point out that to the extent that capacity
25 increases occur because they're subsidized by the

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2 Q. Are you at least generally aware that
3 his approach in his 2013 expert report was to
4 make predictions regarding the effects of the
5 American-US Airways merger based upon a
6 retrospective study of the United-Continental
7 merger?

8 A. No.

9 MR. DeRITA: Objection to form.

10 BY MR. WALL:

11 Q. You didn't know that?

12 A. No, I did not know that.

13 Q. Are retrospective analyses of
14 transactions relevant or useful for determining
15 the reliability of results from merger
16 simulations?

17 MR. DeRITA: Objection to form.

18 THE WITNESS: That depends on the
19 implementation of the retrospective and on how
20 similar the event -- the historical event being
21 described is to the event being examined in the
22 model.

23 To put some meat on that, in the case
24 of United-Continental, and in the case of
25 American-US Air, both of these events involve a

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2 merger that was approved by the Department of
3 Justice subject to divestitures which ameliorate
4 anticompetitive concern.

5 And so the usefulness of a comparison
6 of the estimated effects in a regression to a
7 simulation result may not be informative even
8 setting aside questions of implementation.

9 BY MR. WALL:

10 Q. I was asking something a little bit
11 more specific. Do you find any utility in using
12 a retrospective analysis to determine whether the
13 results of a merger simulation are reliable?

14 A. Again, it can be informative. But
15 whether it is informative will depend on the
16 quality of implementation and on the
17 comparability between the event being studied and
18 the retrospective, and the event being studied in
19 the simulation.

20 And in my previous answer I gave you
21 an example for why we might not think that would
22 be the case, comparing the merger events that
23 occurred in the airlines over the last 14 years
24 to the simulation model of the NEA that I use.

25 Q. You wrote an article in 2017 published

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2 A. As I've stated before, there's
3 numerous obstacles for isolating an effect of an
4 agreement like the NEA in data that we've talked
5 about. And I'm not optimistic those can be
6 overcome in this instance.

7 Q. Okay. I want to switch topics a
8 little bit and talk about retrospectives again.

9 MR. DeRITA: Before we move on, I just
10 want to put on the record some objections to this
11 document. I want to preserve all objections on
12 it. We haven't seen this document before. It
13 wasn't produced in advance. We have no way of
14 knowing whether the numbers are accurate.

15 In addition to the objections, also we
16 would like you to commit to producing any backup
17 that went into making this document.

18 MR. WALL: We're happy to do that.
19 That's fine.

20 THE WITNESS: Can I give this to
21 somebody just to clear some space in front of me?

22 (Off the record.)

23 BY MR. WALL:

24 Q. So retrospectives. Could you please
25 explain your position as to the value of airline

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2 merger retrospectives in predicting the effects
3 of the NEA?

4 A. Well, the NEA creates incentives that
5 are similar in many respects to those that are
6 created by a merger. And so it is natural to
7 look into whether merger retrospectives can be
8 used to make inferences about competition.

9 Of course, I've looked into whether
10 that would be promising. Some of my own research
11 looks into that. And I find that in the context
12 of airlines, isolating the effect of a merger on
13 fares is quite difficult to do. And given that,
14 despite the initial appeal, I don't view the
15 airline retrospectives as providing much useful
16 information about the likely competitive effects
17 of the NEA.

18 Q. Okay.

19 MR. WALL: Can you pull up the merger
20 guideline, please?

21 MS. NELSON: An exhibit or just
22 reference?

23 MR. WALL: Just reference.

24 BY MR. WALL:

25 Q. So I gather it is your position that